Volume 47, Number 1, 1992

Contents Abstracts of Copper Conference

PREFACE	1
LECTURES	3
POSTERS	43
AUTHOR INDEX	63

Volume 47, Number 2, 1992

Contents

J. KOZELKA (Paris, France), E. SEGAL (Villejuif, France), and C. BOIS (Paris, France)
Cytotoxic Activity of Platinum(II) Complexes With Tri-*n*-butylphosphine. Crystal Structure of the Dinuclear Hydrazine-Bridged Complex, *cis, cis*-$[PtCl(PBu^n_3)_2(\mu\text{-}N_2H_4)PtCl(PBu^n_3)_2](ClO_4)_2 \cdot 2CHCl_3$ **67**

Z. N. CHEN, R. W. DENG, and J. G. WU (Lanzhou, Peoples's Republic of China)
Synthesis, Characterization, and Antiinflammatory Activity of Naproxen Complexes With Rare Earth (III) **81**

R. OLMO, P. HUERTA, D. BLANCO, and J. M. TEIJÓN (Complutense, Spain)
Viscometric, Densimetric, and Spectrophotometric Study of Lysozyme-Zn(II) and Lysozyme-Hg(II) Interactions **89**

S. AL-BAKER, R. PEREZ-SOLER, and A. R. KHOKHAR (Houston, Texas, USA)
Synthesis and Biological Studies of New Lipid-Soluble Cisplatin Analogues Entrapped in Liposomes **99**

D. Y. DAWSON, S. E. HUDSON, and P. K. MASCHARAK (Santa Cruz, California, USA)
Oxygen Transfer Reactions by Synthetic Analogues of Iron-Bleomycin **109**

P. XU, J. PRICE, A. WISE, and P. J. AGGETT (Aberdeen, United Kingdom)
Interaction of Inositol Phosphates With Calcium, Zinc, and Histidine **119**

S. C. VENDELAND, J. T. DEAGEN, and P. D. WHANGER (Corvallis, Oregon, USA)
Uptake of Selenotrisulfides of Gluthathione and Cysteine by Brush Border Membranes From Rat Intestines **131**

BOOK REVIEW

A. J. THOMSON (Norwich, United Kingdom)
The Biological Chemistry of the Elements: The Inorganic Chemistry of Life, by J. J. R. Frausto da Silva and R. J. P. Williams **141**

Volume 47, Numbers 3-4 1992

Contents

SYNOPSIS
Tenth International Conference on Iron and Iron Proteins 145

E. N. BAKER (Palmerston North, New Zealand) and P. F. LINDLEY (Daresbury, United Kingdom)
New Perspectives on the Structure and Function of Transferrins 147

S. C. ANDREWS (Sheffield, United Kingdom), P. AROSIO (Milan, Italy), W. BOTTKE (Munster, Germany), J-F. BRIAT (Grenoble, France), M. VON DARL (Munster, Germany), P. M. HARRISON (Sheffield, United Kingdom), J-P. LAULHÈRE, S. LEVI, S. LOBREAUX (Grenoble, France), and S. J. YEWDALL (Sheffield, United Kingdom)
Structure, Function, and Evolution of Ferritins 161

G. R. MOORE, F. H. A. KADIR, and F. AL-MASSAD (Norwich, United Kingdom)
Haem Binding to Ferritin and Possible Mechanisms of Physiological Iron Uptake and Release by Ferritin 175

L. C. KÜHN, (Epalinges, Switzerland) and M. W. HENTZE (Heidelberg, Germany)
Coordination of Cellular Iron Metabolism by Post-Transcriptional Gene Regulation 183

A. J. THOMSON, J. BRETON (Norwich, United Kingdom), J. N. BUTT (Irvine, California, U.S.A.), E. C. HATCHIKIAN (Marseille, France), and F. A. ARMSTRONG (Irvine, California, U.S.A.)
Iron-Sulphur Clusters With Labile Metal Ions 197

I. S. TROWBRIDGE and J. F. COLLAWN (San Diego, California, U.S.A.)
Structural Requirements for High Efficiency Endocytosis of the Human Transferrin Receptor 209

D. MOSS (Brisbane, Australia), S. FARGION (Milan, Italy), A. L. FRACANZANI (Monza, Italy), S. LEVI, M. D. CAPPELLINI, P. AROSIO (Milan, Italy), L. W. POWELL, and J. W. HALLIDAY (Brisbane, Australia)
Functional Roles of the Ferritin Receptors of Human Liver, Hepatoma, Lymphoid and Erythroid Cells 219

M. C. LINDER, N. MADANI, R. MIDDLETON, A. MIREMADI (Fullerton, California, U.S.A.), G. CAIRO, L. TACCHINI, L. SCHIAFFONATI, and E. RAPPOCCIOLO (Milan, Italy)
Ferritin Synthesis on Polyribosomes Attached to the Endoplasmic Reticulum 229

S. TOYOKUNI and J-L. SAGRIPANTI (Rockville, Maryland, U.S.A.)
Iron-Mediated DNA Damage: Sensitive Detection of DNA Strand Breakage Catalyzed by Iron 241

G. J. ANDERSON (Bethesda, Maryland, U.S.A.), E. LESUISSE (Paris, France), A. DANCIS, D. G. ROMAN (Bethesda, Maryland, U.S.A.), P. LABBE (Paris, France), and R. D. KLAUSNER (Bethesda, Maryland, U.S.A.)
Ferric Iron Reduction and Iron Assimilation in *Saccharomyces cerevisiae* 249

C. M. MORRIS, J. M. CANDY, A. B. KEITH, A. E. OAKLEY, G. A. TAYLOR (Newcastle upon Tyne, United Kingdom), R. G. L. PULLEN (Sunderland, United Kingdom), C. A. BLOXHAM (Newcastle upon Tyne, United Kingdom), A. GOCHT (Hamburg, Germany), and J. A. EDWARDSON (Newcastle upon Tyne, United Kingdom)
Brain Iron Homeostasis 257

C. HERSHKO (Jerusalem, Israel), V. R. GORDEUK (Cleveland, Ohio, U.S.A.), P. E. THUMA (Hershey, Pennsylvania, U.S.A.), E. N. THEANACHO, D. T. SPIRA (Jerusalem, Israel), R. C. HIDER (London, United Kingdom), T. E. A. PETO (Oxford, United Kingdom), and G. M. BRITTENHAM (Cleveland, Ohio, U.S.A.)
The Antimalarial Effect of Iron Chelators: Studies in Animal Models and in Humans With Mild Falciparum Malaria 267

Author Index 279

Subject Index 281